



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. PC3-060		SERIAL NO. 10/698,730		
				APPLICANT Yuichi Iikubo, et al.				
				FILING DATE October 31, 2003		GROUP 1621		
U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	4,885,409	12/89	Gardano et al.	568	834		
	AB							
	AC							
	AD							
	AE							
	AF							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AG	WO 99/51555	10/99	per WO			X	
	AH	2 120 666 A	12/83	GB			X	
	AI	42 03 351 A1	12/89	DE			X	
	AJ							
	AK							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AL	Derwent Publications, Ltd., Abstract; SU715092, February 15, 1980; 1 page						
	AM							
	AN							
EXAMINER		DATE CONSIDERED 12/14/06						
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-060	PRIORITY SERIAL NO. 09/966,138				
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Iikubo, et al.					
				PRIORITY FILING DATE 9/28/2001	PRIORITY GROUP 161				
U.S. PATENT DOCUMENTS									
*Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate			
EF	AA	2,494,064	01/50	Simons, et al.	1	1			
	AB	2,003,706	06/33	H.W. Dauch, et al.					
	AC	2,003,707	06/33	H.W. Dauch, et al.					
	AD	2,576,823	11/51	A.P. Benning, et al.					
	AE	2,697,124	12/54	R.M. Mantell, et al.					
	AF	2,900,423	08/59	L.B. Smith, et al.					
	AG	2,942,036	06/60	L.B. Smith, et al.					
	AH	3,258,500	06/66	P.W. Swamer, et al.					
	AI	3,436,430	04/69	L.E. Hatke et al.					
	AJ	3,636,173	01/72	L.E. Gardner					
	AK	3,803,241	04/74	I. Stofkin, et al.					
	AL	4,158,023	06/79	von Halasz					
	AM	5,043,491	03/91	Webster, et al.					
	AN	5,057,634	10/91	Webster, et al.					
	AO	5,068,472	11/91	Webster, et al.					
	EF	AP	5,068,473	11/91			Kollner, et al.	1	1
FOREIGN PATENT DOCUMENTS									
Document Number		Date	Country	Class	Subclass	Translation			
					Yes	No			
AQ		1,162,511	05/91	CA					
EF	AR	2,081,813	10/92	CA					
	AS	0 349 115 A1	01/90	EP					
	AT	0 434 407 A1	06/91	EP					
	AU	0 442 075 B1	08/93	EP					
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)									
EF	AV	Herbert O. House, "Catalytic Hydrogenation and Dehydrogenation," <i>Modern Synthetic Reactions</i> , 2 <sup>nd</sup> ed., The Benjamin/Cummings Publishing Company (Menlo Park, CA), p. 16. (1978)							
EXAMINER			DATE CONSIDERED						
EF			5/14/06						
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PCJ-060		PRIORITY SERIAL NO. 09/960,138	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Eikubo, et al.			
				PRIORITY FILING DATE 9/28/2001		PRIORITY GROUP 1621	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AB	9951851	12/99	WO			
	AC	428,361	09/30	UK			
	AD	428,443	03/35	UK			
	AE	468,447	08/37	UK			
	AF	790,335	02/58	UK			
	AG	1,077,932	08/67	UK			
	AH	1,359,023	07/74	UK			
	AI	1,578,933	11/80	UK			
	AJ						
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AK	J. Krizala, et al., "Preparation of Perhalogenated Chlorofluoropropanes by Halogen Exchange in the Liquid and Vapour Phases and Their Isomer Analysis by 19F NMR Spectroscopy," <i>Journal of Fluorine Chemistry</i> , Elsevier Sequoia (Netherlands), p. 155-175, (February 5, 1989).					
	AL	F.J. Mettelle, et al., "Methods for the Introductions of Hydrogen into Fluorinated Compounds," <i>Fluorine Chemistry Reviews</i> , 1 <sup>st</sup> ed., Vol. 1 (No. 2), p. 315-358, (February 5, 1967).					
	AM	Dr. Mark D. Cisneros, et al., "An Integrated Approach to Achieve Low Environmental Impact in the Special Hazards Fire Suppression Industry," Great Lakes Chemical Corporation (West Lafayette, Indiana), p. 1-8. (1986)					
	AN	Vladimir A. Petrov, et al., "Isomerization of Halopolyfluoroalkanes by the Action of Aluminum Chlorofluoride," <i>Journal of Fluorine Chemistry</i> , Elsevier Science S.A. (Netherlands), p. 125-130, (February 5, 1998).					
	AO	B.P. Aggarwal, et al., "Chlorination of Propene and Propylene and Pyrolysis of Perchloropropene," <i>Petroleum &amp; Hydrocarbons</i> , Vol. 3 (No. 2), p. 69-72, (July 5, 1968).					
	AP	Albert L. Henne, et al., "Fluorinated Derivatives of Propene and Propylene," p. 496-497, (March 5, 1946).					
EXAMINER <i>SJP</i>				DATE CONSIDERED 5/14/86			
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PCJ-060	PRIORITY SERIAL NO. 09/964,138		
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yutchi Iihubo, et al.			
				PRIORITY FILING DATE 9/28/2001	PRIORITY GROUP 1621		
U.S. PATENT DOCUMENTS							
* Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
28	AK	1	Kirk-Othmer, "Encyclopedia of Chemical Technology," Catalysts, 3 <sup>rd</sup> ed., John Wiley & Sons (New York), p. 16-18. (1991)				
28	AL		Miles Hudlicky, "Chemistry of Organic Fluorine Compounds, A Laboratory Manual with Comprehensive Literature Coverage, 2 <sup>nd</sup> ed., Ellis Horwood (New York), p. 170-179, (February 8, 1997).				
	AM						
	AN						
	AO						
	AP						
EXAMINER			DATE CONSIDERED				
28			8/14/06				
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Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PCJ-060		PRIORITY SERIAL NO. 09/966,158	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Yuichi Iikubo, et al.			
				PRIORITY FILING DATE 9/28/2001		PRIORITY GROUP 1621	
U.S. PATENT DOCUMENTS							
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
[Handwritten marks]	AB	99/61851	12/99	WO			
	AC	418,361	09/30	UK			
	AD	418,643	03/33	UK			
	AE	468,447	08/37	UK			
	AF	790,335	02/58	UK			
	AG	1,077,932	08/67	UK			
	AH	1,359,023	07/74	UK			
	AI	1,578,933	11/80	UK			
	AJ						
	OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						
[Handwritten mark]	AK	J. Kvicala, et al., "Preparation of Perhalogenated Chlorofluoropropanes by Halogen Exchange in the Liquid and Vapour Phases and Their Isomer Analysis by 1DF NMR Spectroscopy," <i>Journal of Fluorine Chemistry</i> , Elsevier Sequoia (Netherlands), p. 155-173, (February 5, 1989).					
	AL	F.J. Merville, et al., "Methods for the Introductions of Hydrogen into Fluorinated Compounds," <i>Fluorine Chemistry Reviews</i> , 1 <sup>st</sup> ed., Vol. 1 (No. 2), p. 315-358, (February 5, 1967).					
[Handwritten mark]	AM	Dr. Mark D. Cisneros, et al., "An Integrated Approach to Achieve Low Environmental Impact in the Special Hazards Fire Suppression Industry," Great Lakes Chemical Corporation (West Lafayette, Indiana), p. 1-8. (486)					
	AN	Vladimir A. Petrov, et al., "Isomerization of Halopolyfluoroalkanes by the Action of Aluminum Chlorofluorides," <i>Journal of Fluorine Chemistry</i> , Elsevier Science S.A. (Netherlands), p. 125-130, (February 5, 1998).					
[Handwritten mark]	AO	B.P. Aggarwal, et al., "Chlorination of Propene and Propylene and Pyrolysis of Perchloropropene," <i>Petroleum &amp; Hydrocarbons</i> , Vol. 3 (No. 2), p. 69-72, (July 3, 1968).					
	AP	Albert L. Haines, et al., "Fluorinated Derivatives of Propene and Propylene," p. 496-497, (March 5, 1946).					
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	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)						
AK	✓	Kirt-Ohmer, "Encyclopedia of Chemical Technology," <i>Catalysis</i> , 3 <sup>rd</sup> ed., John Wiley & Sons (New York), p. 16-18. (1991)				
AL	✓	Miles Modlicky, "Chemistry of Organic Fluorine Compounds, A Laboratory Manual with Comprehensive Literature Coverage," 2 <sup>nd</sup> ed., Ellis Horwood (New York), p. 170-179, (February 8, 1992).				
AM						
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